

IN THE CLAIMS

Please amend claims 1, 9, 10, 12, 13, 15, 16 and 25 as follows:

1       1. (Currently Amended) A field emission display, comprising:  
2           a first substrate;  
3           an electron emission assembly arranged on said first substrate;  
4           a second substrate arranged a predetermined distance from said first substrate, said  
5       first and second substrates forming a vacuum space;

6           an illumination assembly arranged on said second substrate, said illumination  
7       assembly being illuminated by electrons emitted from said electron emission assembly;  
8       and

9           a mesh grid arranged above said electron emission assembly, the mesh grid  
10       including an effective screen portion having a plurality of beam passage holes arranged in  
11       a predetermined pattern and having an inactive portion absent any beam passage holes.

1       2. (Original) The field emission display of claim 1, wherein said mesh grid  
2       comprises a metal.

1       3. (Original) The field emission display of claim 1, wherein said mesh grid  
2       comprises one of stainless steel, invar, and an iron-nickel alloy.

1       4. (Original) The field emission display of claim 3, wherein the iron-nickel alloy  
2       comprises 2.0 to 10.0 wt% of Cr.

1       5. (Original) The field emission display of claim 3, wherein the iron-nickel alloy  
2       comprises 40.0 to 44.0 wt% of Ni.

1       6. (Original) The field emission display of claim 3, wherein the iron-nickel alloy  
2       comprises 0.2 to 0.4 wt% of Mn, 0.7 wt% or less of C, and 0.3 wt% or less of Si.

1       7. (Original) The field emission display device of claim 1, wherein the thermal  
2       expansion coefficient of said mesh grid is in the range of  $9.0 \times 10^{-6}/^{\circ}\text{C}$  to  $10.0 \times 10^{-6}/^{\circ}\text{C}$ .

1       8. (Original) The field emission display device of claim 1, wherein electron  
2       emission assembly comprises a cathode and a gate and an electron emission source.

1       9. (Currently Amended) The field emission display device of claim [[9]] 8,  
2       wherein said gate is arranged on an upper side of said cathode.

1       10. (Currently Amended) The field emission display device of claim [[9]] 8,  
2       wherein the gate is arranged on a lower side of said cathode.

1        11: (Original) The field emission display device of claim 1, wherein an  
2 intermediate material is arranged between said electron emission assembly and said mesh  
3 grid.

1        12. (Currently Amended) The field emission display device of claim [[1]] 11,  
2 wherein said intermediate material comprises an insulating material.

1        13. (Currently Amended) The field emission display device of claim [[12]] 11,  
2 wherein said intermediate material comprises a resistive material.

1        14. (Original) The field emission display device of claim 1, further comprising a  
2 focusing electrode arranged on said mesh grid.

1        15. (Currently Amended) A field emission display device, comprising:  
2            a first substrate;  
3            an electron emission assembly arranged on said first substrate;  
4            a second substrate arranged a predetermined distance from said first substrate, said  
5            first and second substrates forming a vacuum assembly;  
6            an illumination assembly arranged on said second substrate, said illumination  
7            assembly being illuminated by electrons emitted from said electron emission assembly;  
8            and

9           a mesh grid arranged above said electron emission assembly, the mesh grid  
10       including an effective screen portion having a plurality of beam passage holes arranged in  
11       a predetermined pattern and having an inactive portion absent any beam passage holes;  
12       wherein said mesh grid is bonded to said electron emission assembly by a frit.

1           16. (Currently Amended) A method of manufacturing a field emission display,  
2       the method comprising:

3           providing a first substrate;  
4           arranging an electron emission assembly on said first substrate;  
5           arranging a second substrate a predetermined distance from said first substrate to  
6       form a vacuum space with said first and second substrates;  
7           arranging an illumination assembly on said second substrate, and illuminating said  
8       illumination assembly with electrons emitted from said electron emission assembly; and  
9           arranging a mesh grid above said electron emission assembly, the mesh grid  
10       including an effective screen portion having a plurality of beam passage holes arranged in  
11       a predetermined pattern and having an inactive portion absent any beam passage holes.

1           17. (Original) The method of claim 16, further comprising forming said mesh  
2       grid of a metal.

1           18. (Original) The method of claim 16, further comprising forming said mesh

2 grid of one of stainless steel, invar, and an iron-nickel alloy.

1 19. (Original) The method of claim 16, further comprising forming a cathode and  
2 a gate and an electron emission source in said electron emission assembly.

1 20. (Original) The method of claim 19, further comprising forming said gate on  
2 one of an upper and lower side of said cathode.

1 21. (Original) The method of claim 16, further comprising forming an  
2 intermediate material between said electron emission assembly and said mesh grid.

1 22. (Original) The method of claim 21, further comprising forming said  
2 intermediate material of an insulating material.

1 23. (Original) The method of claim 21, further comprising forming said  
2 intermediate material of a resistive material.

1 24. (Original) The method of claim 16, further comprising forming a focusing  
2 electrode on said mesh grid.

1 25. (Currently Amended) A method of manufacturing a field emission display

2 device, the method comprising:

3 providing a first substrate;

4 arranging an electron emission assembly on said first substrate;

5 arranging a second substrate a predetermined distance from said first substrate to

6 form a vacuum assembly with said first and second substrates;

7 arranging an illumination assembly on said second substrate and illuminating said

8 illumination assembly with electrons emitted from said electron emission assembly;

9 arranging a mesh grid above said electron emission assembly the mesh grid

10 including an effective screen portion having a plurality of beam passage holes arranged in

11 a predetermined pattern and having an inactive portion absent any beam passage holes;

12 and

13 bonding said mesh grid to said electron emission assembly with a frit.